

WHAT IS CLAIMED IS:

1 1. An overloading protection switch comprising:

2 a housing;

3 a button pivotally connected to an upper portion of the housing and having a

4 first extension and a second extension both extending from a bottom face of the button;

5 a primary leg securely engaged with an inner side face of the housing and

6 partially extending out of the housing, the primary leg having a first contact securely

7 mounted on a top portion of the primary leg;

8 a conductor securely attached to the primary leg;

9 a second primary leg securely received in the housing and partially extending

10 out of the housing; and

11 a bi-metal plate securely connected to a top portion of the second primary leg

12 and having a second contact securely mounted on a top portion of the bi-metal plate to

13 selectively engage with the first contact and a deformation formed on a mediate portion

14 of the bi-metal plate,

15 whereby current passing through the switch will raise the temperature of the

16 bi-metal plate as well as the temperature of the conductor so that the deformation of the

17 bi-metal plate is forced to deform in advance to protect a sensitive electrical appliance

18 connected to the switch.

19 2. The switch as claimed in claim 1, wherein the housing further has two

20 supports respectively formed on opposite inner side faces of the housing to sandwich the

21 bi-metal plate.